

WHAT IS CLAIMED IS:

1. A method of composing an infusion line, comprising:  
classifying components for forming the infusion line into unit groups  
5 comprising a spike unit, a main tube unit, an injection device unit, an infusion filter unit, and a one-way valve unit,  
providing plural kinds of units for each unit group according to different specifications, each unit being formed of one or more components combined based on a function of the respective unit,  
10 determining a combination of the unit groups by allowing the spike unit and the main tube unit to be indispensable and selecting at least one of the unit groups from the remaining unit groups,  
determining an arrangement of the selected unit groups, with the spike unit being positioned at one end thereof,  
15 selecting at least one kind of the units from each of the unit group based on the determined combination, and  
combining the selected units according to the determined arrangement to compose the infusion line, with the end on the distal side relative to the spike unit being composed of a connector used for a connection  
20 to a member for access to a patient.
2. The method of composing the infusion line according to claim 1, wherein  
the unit groups further comprises an extension tube unit, and  
25 when the extension tube unit is selected as one of the unit groups composing the infusion line, the arrangement of the selected unit groups is determined with the extension tube unit being positioned at the end on the distal side relative to the spike unit.
- 30 3. The method of composing the infusion line according to claim 2, wherein the combination of the unit groups are determined with the extension tube unit being included in the indispensable units.
4. The method of composing the infusion line according to claim 1,  
35 wherein  
the spike unit has a function of connecting the infusion line to a supply source of a medical fluid via a spike,

the main tube unit is connected to the spike unit and has a function of being used for adjusting a length between the spike unit and another unit positioned on a patient side,

5 the injection device unit is positioned between the main tube unit and the extension tube unit and has a function of being used for injecting the medical fluid or collecting blood,

the infusion filter unit is positioned between the main tube unit and the extension tube unit and has a function of being used for removing foreign substances,

10 the one-way valve unit is positioned on the opposite side of the spike unit with respect to the main tube unit and adjacent to the injection device unit and has a function of preventing a back flow of an infusion fluid.

5. The method of composing the infusion line according to claim 2,  
15 wherein

the spike unit is positioned at an end portion on a medical fluid side of the infusion line and has a function of connecting the infusion line to a supply source of a medical fluid via a spike,

20 the main tube unit is connected to the spike unit and has a function of being used for adjusting a length between the spike unit and another unit positioned on a patient side,

the injection device unit is positioned between the main tube unit and the extension tube unit and has a function of being used for injecting the medical fluid or collecting blood,

25 the infusion filter unit is positioned between the main tube unit and the extension tube unit and has a function of being used for removing foreign substances,

30 the one-way valve unit is positioned between the main tube unit and the extension tube unit and adjacent to the injection device unit and has a function of preventing a back flow of an infusion fluid, and

the extension tube unit is positioned at an end portion on the patient side and has a function of allowing the infusion line to be held at hand of the patient easily.

35 6. The method of composing the infusion line according to claim 1, wherein as the components for forming the units belonging to each unit group, the spike unit includes a spike and a drip chamber,

the main tube unit includes a tube, a clamp for controlling flow rate, and a connector,

the injection device unit includes a connector and at least one of an injection port and a three-way stop cock,

5 the infusion filter unit includes an I-V filter, a tube for connection, and a connector, and

the one-way valve unit includes a one-way valve and a connector.

7. The method of composing the infusion line according to claim 2,

10 wherein as the components for forming the units belonging to each unit group,

the spike unit includes a spike and a drip chamber,

the main tube unit includes a tube, a clamp for controlling flow rate, and a connector,

15 the injection device unit includes a connector and at least one of an injection port and a three-way stop cock,

the infusion filter unit includes an I-V filter, a tube for connection, and a connector,

the one-way valve unit includes a one-way valve and a connector, and

the extension tube unit includes a tube and a connector.